

### ABSTRACT OF THE DISCLOSURE

An adjustable filter, particularly for use as an antialiasing filter in digital telecommunications networks, includes adjustable capacitors which determine frequency response for the purpose of accurate alignment with a particular cut-off frequency. The active filter includes, in line with the invention, a control device with a measuring device for ascertaining the actual cut-off frequency of the filter. On the basis of the ascertained actual cut-off frequency of the filter and the information about the nominal cut-off frequency which is to be set, an adjustment parameter for the adjustable capacitor is selected from a memory arrangement. This adjustment parameter is used to adjust the adjustable capacitor such that the desired nominal cut-off frequency is obtained and, at the same time, the alignment is performed to achieve the nominal cut-off frequency with sufficient accuracy.